ENGLISH

VM-H80E
VM-H81E

HITACHI

This booklet includes extracts of basic operations for reference when using this camera/recorder.
Carry this with the camera/recorder when going out to shoot outdoors or going on a trip.

Before going out .....

- Charge the battery. (See p. 19)
- Set the date/time. (See p. 14)
- Prepare cassettes for recording.
- Before going out, make a trial recording and check that the camera/recorder can record and play back normally.
- You need the remote control.
- Charge the date and title backup battery.

Notes:

- There are some places where recording is prohibited.
- Important notices including cautions and warnings on use are included in the instruction manual. Be sure to read the instruction manual first and understand these.

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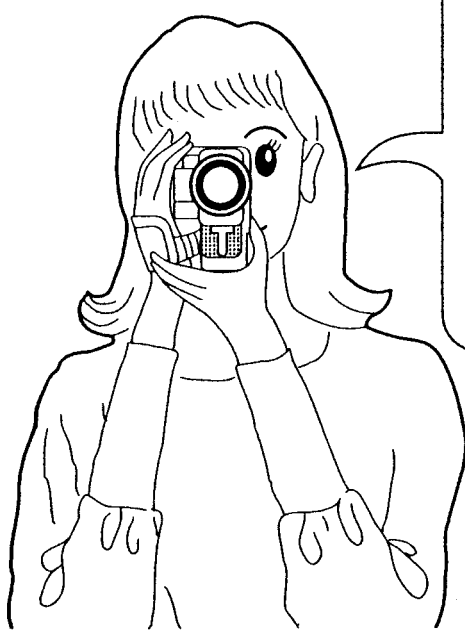
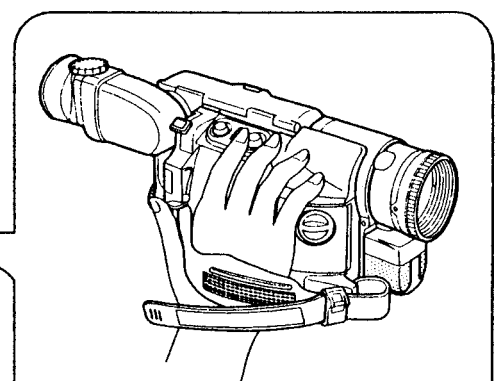
RECORDING

■ **Be careful when opening and closing the sections with packing**

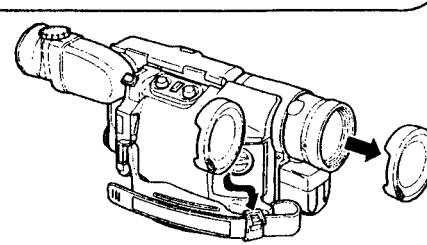
- Take great care that no water droplets enter inside.
- Check that the three sections with packing are closed tightly to ensure that it is water-resistant.

Be sure to read the instruction manual first and understand the impotrant notices.



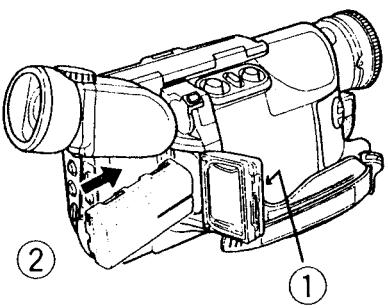


Adjust the hand strap



Remove the lens cap
(hook onto the grip belt)

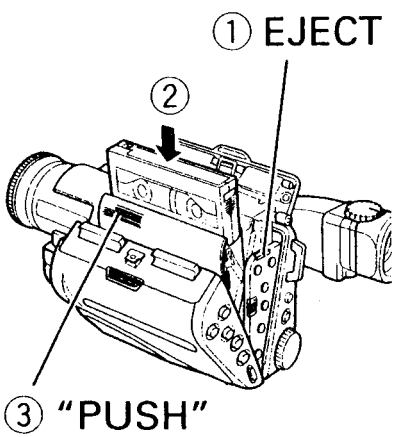
1. Attaching the charged battery



① Slide the BATT EJECT lever to open the cover.

② Insert a battery and close the cover.

2. Insert a cassette



① Open the case and press EJECT.

② Insert

③ Push "PUSH"

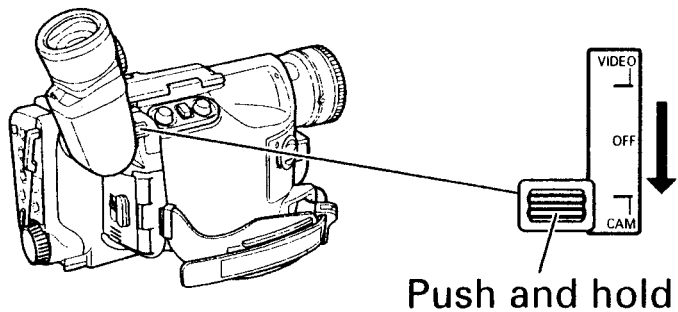
④ Close the case

Caution: You must press "PUSH" to protect the tape from damage.

Note: A power supply must be connected before a cassette can be removed or inserted.

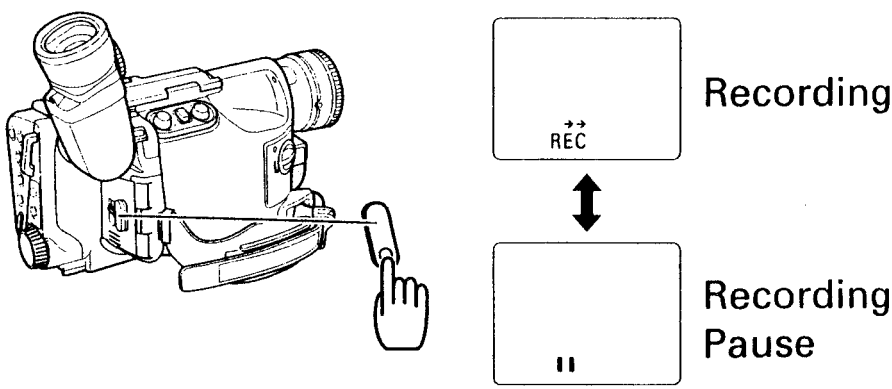
RECORDING (continued)

3. Slide the Operate switch to CAM



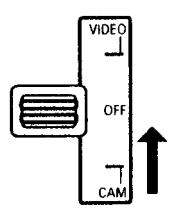
4. Start recording

Press the Start/Stop



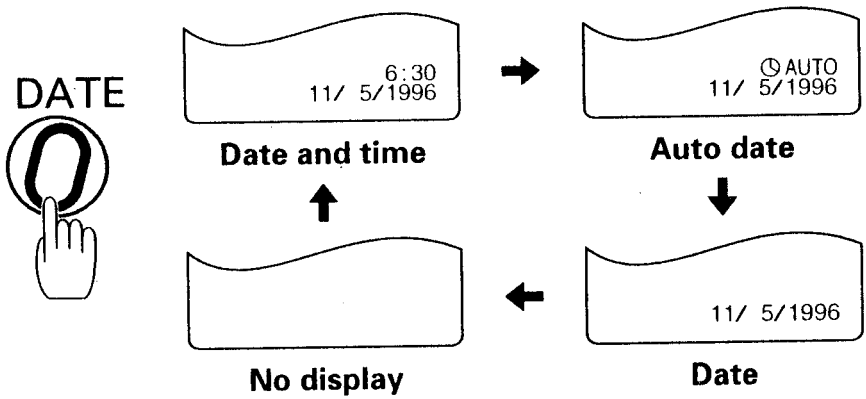
5. After recording

to OFF

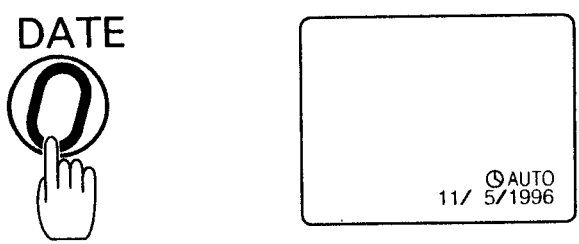


■ Recording the date/time

(See "SETTING THE DATE/TIME" on page 14.)



■ Automatic date recording

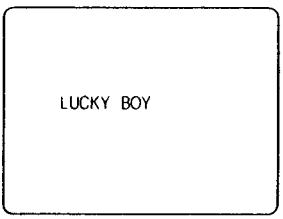


This feature automatically records the date for 10 seconds once a day after you begin recording.

Note: The same date is recorded again when the DATE button is pressed to restore the Automatic Date Recording mode or the cassette is replaced, etc.

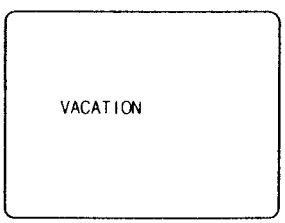
■ Recording titles

(See "CREATING A TITLE" on page 16.)



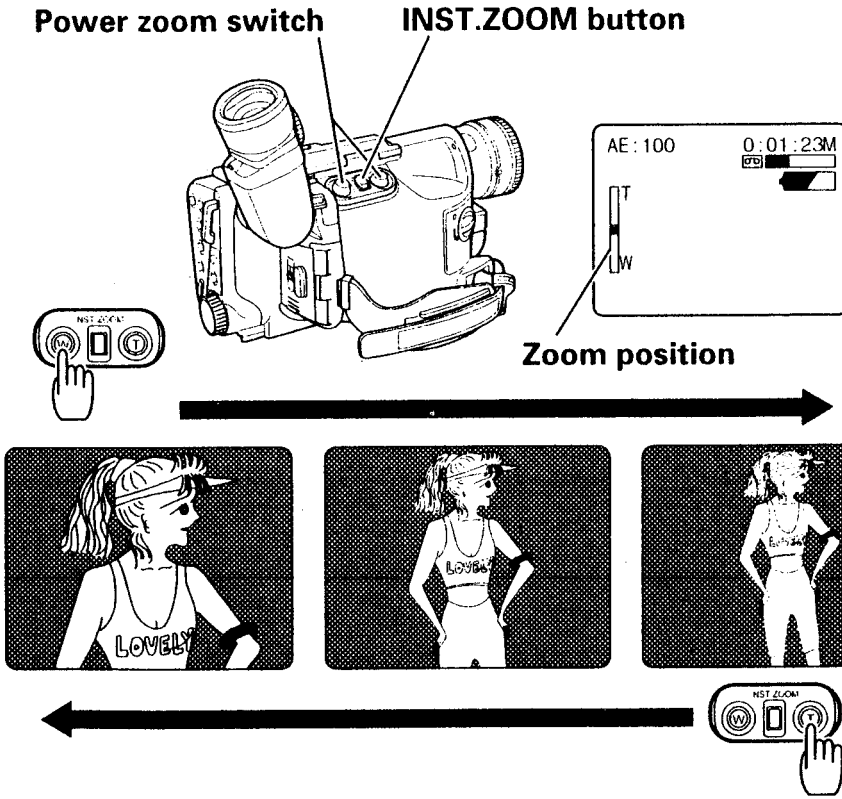
(on the remote control)

- For another title



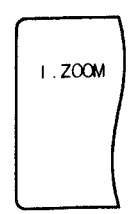
- You need the remote control for this operation.
- Any time that the title display can be seen in the viewfinder, they are recorded on tape.
- To eliminate the title, press TITLE.

■ Zooming



■ Instant zoom

- I.ZOOM appears and the picture is magnified 1.5 times momentarily.



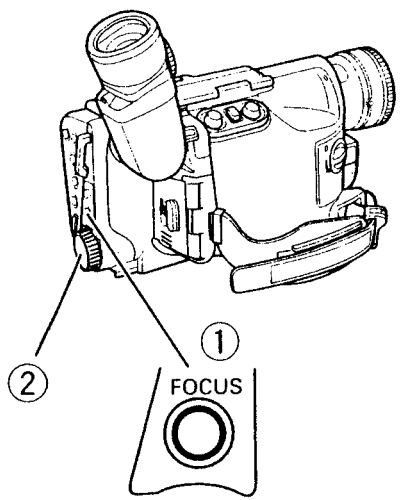
■ Auto focus

When "FOCUS" is not displayed, focusing is automatic.

If it is displayed, press FOCUS select button to eliminate it.

■ Manual focus

You can adjust the focus manually when "FOCUS" is displayed.



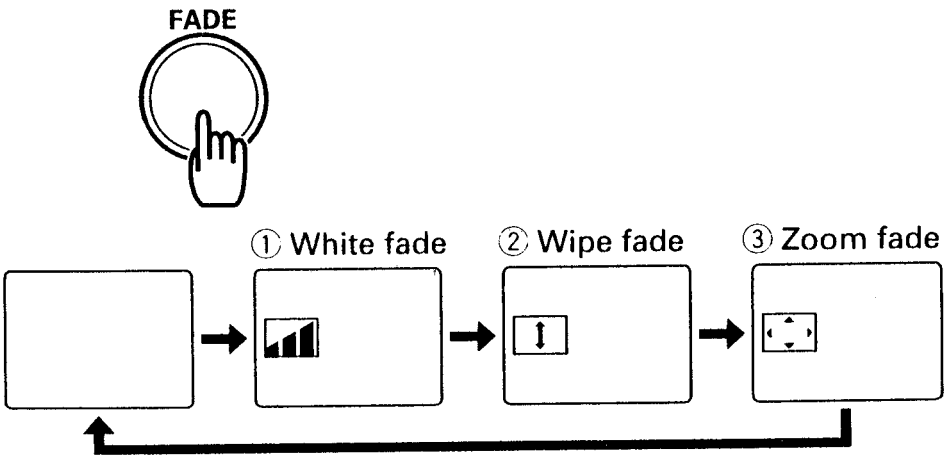
① Press the FOCUS select button.
"FOCUS" appears.

② Turn the focus control to focus.

■ To correct slight shaking of the image to be recorded

- appears.

■ Fade-in/Fade-out

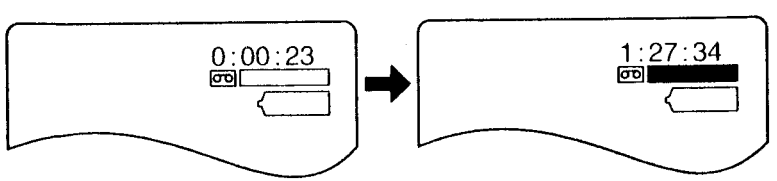


■ To review the recorded segment

- Tap this button in the record/pause mode.

■ Remaining tape

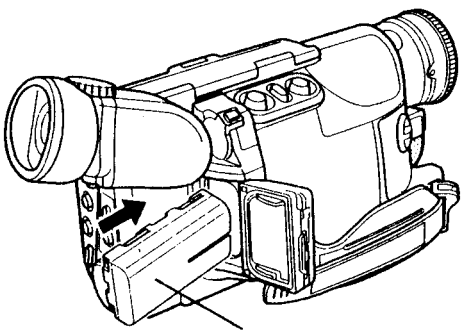
10 seconds after you start recording (or playback), the remaining tape will be displayed.



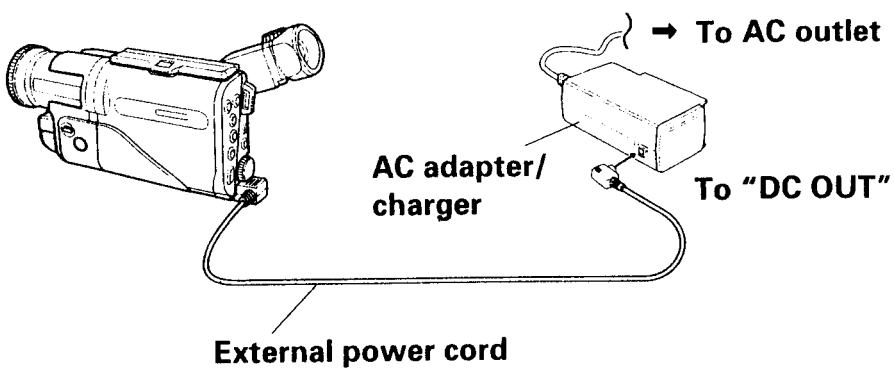
PLAYING BACK (using this camera/recorder)

① Connect the POWER SOURCE.

■ To use a battery pack

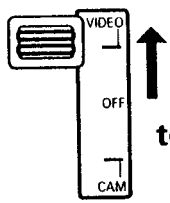


■ To use an AC adapter/charger



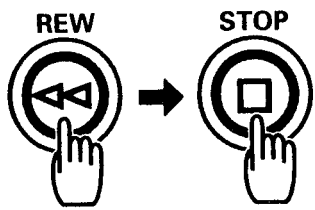
② Insert a recorded cassette.

③



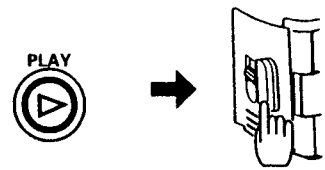
to VIDEO

④

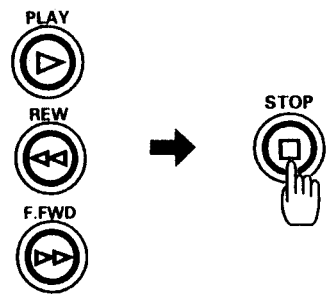


⑤

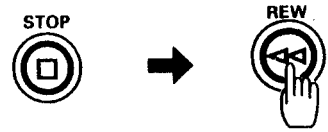
To pause



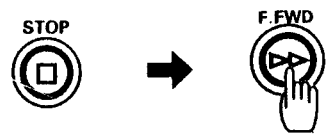
To stop



To rewind

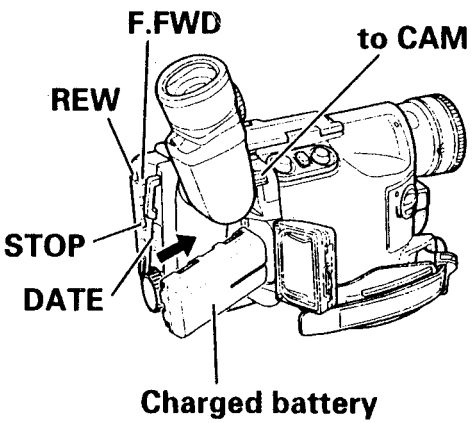


To fast-forward

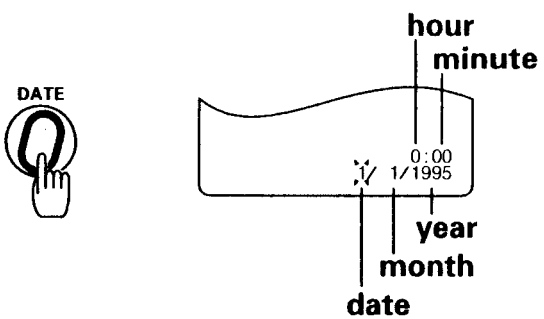


SETTING THE DATE/TIME

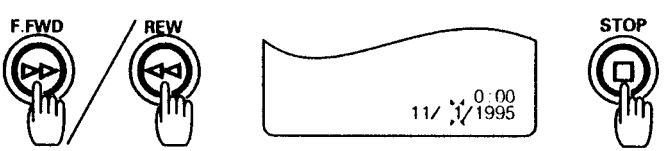
- Set the Operate switch to OFF and connect a power source for 24 hours every 2 months to charge the backup battery.



①

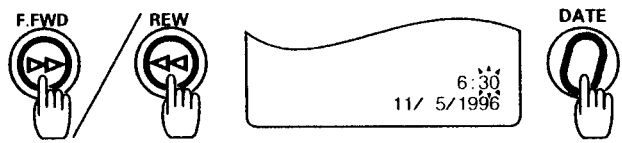


②



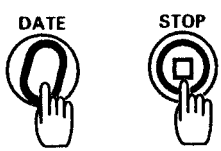
- Repeat this operation.

③



- After pressing DATE, the display changes and the internal clock starts.

■ To correct the date/time

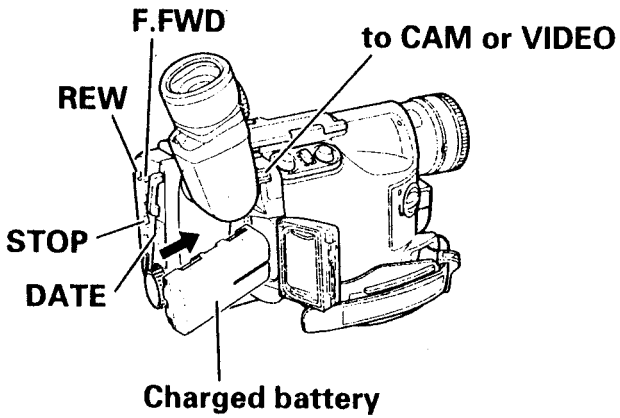


Press and hold DATE, and then press STOP.

- Correct the date/time by using F.FWD, REW and STOP.
- After correcting, press DATE to set.

CREATING A TITLE

Note: You need the remote control for this operation.



■ To create a title

①

- Press TITLE (on the remote control).

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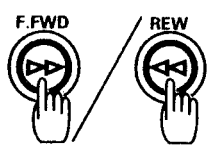
② 

- to select character
- to move the cursor

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③

- Press TITLE to eliminate the graphics.

- Created titles are stored in memory as long as the date is backed up.

■ To correct errors

①

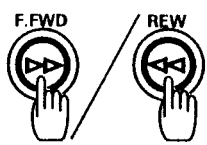
For another title

(on the remote control)

②

- Select the character to be corrected.

③



- Correct the error.

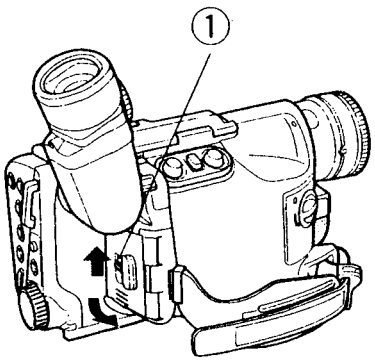
④

- Press TITLE to eliminate the graphics.

CHARGING THE BATTERY

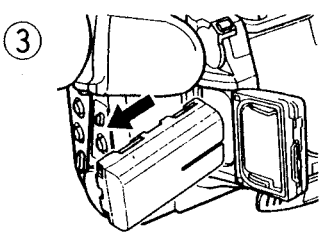
- When " ▬◢ " starts blinking, remove the battery and charge it.

■ Removing the battery



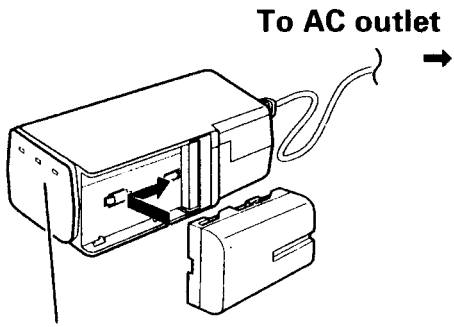
① Slide the BATT EJECT lever to open the cover.

② Press the battery release lever to eject the battery.



③ Pull the battery forward to remove it.

■ Charging the battery



① Plug in the cord

② Slide the battery in the direciton of the arrow as shown in the figure to attach it.

- The time required for charging is about 150 minutes. (Full charge)
- CHARGE light is lit: Charging

INDICATIONS

■ Warning indication

• Battery is almost discharged.

Charge or replace with a charged battery.

• Record-protect tab on the cassette is closed.

Use another cassette or slide the record-protect tab.

• The tape may be abnormal.

Load the cassette and unload it several times. If the indicator still flashes, replace the cassette.

TAPE END • There are less than about 3 minutes recording time left.

TAPE END • There is no recording time left.

Use a new cassette.

NO TAPE • There is no tape in the cassette holder.

Insert a cassette.

TROUBLESHOOTING

	Symptom
Power	The power cannot be turned on.
	The power turns off.
Recording	Picture does not appear in the viewfinder.
	Cannot be set to the recording mode.
	Picture is out of focus.
Playing back	PLAY button cannot be engaged.
Others	The cassette holder will not open when you press EJECT.
	Power is turned on, but no button operations are accepted.

	Check point & Correction
	Attach a battery.
	Use a charged battery.
	The unit has been in the recording pause mode for more than 5 minutes. Turn the power on again.
	Remove the lens cap.
	Slide the Operate switch to CAM.
	Check the record-protect tab on the cassette.
	Slide the Operate switch to CAM.
	Check that "FOCUS" is not displayed in the viewfinder. If it is displayed, press the FOCUS select button to switch to auto focus.
	Slide the Operate switch to VIDEO.
	Rewind the tape.
	Connect a power source.
	Remove the battery, and after 1 minute, push the reset switch.